PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 030968PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416							
International application No.	International filing date (day/month/year)	Priority date (day/month/year)							
PCT/JP2004/019295	24.12.2004	06.01.2004							
International Patent Classification (IPC) or nati	onal classification and IPC								
G11B20/12(2006. 01), 01)	G11B20/12(2006. 01), G11B7/0045 (2006. 01), G11B20/10 (2006. 01)								
Applicant PIONEER CORPORATION									
This report is the international preling under Article 35 and transmitted to the second contract of the secon	ninary examination report, established by this le applicant according to Article 36.	International Preliminary Examining Authority							
2. This REPORT consists of a total of	4 sheets, including	g this cover sheet.							
3. This report is also accompanied by A	NNEXES, comprising:								
a. (sent to the applicant and	to the International Bureau) a total of 3	sheets, as follows:							
sheets of the descrip	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative								
· ·	ede earlier sheets, but which this Authority con	siders contain an amendment that goes beyond							
_	e international application as filed, as indicated								
	D								
b. [] (sent to the International .	Bureau only) a total of (indicate type and numbe	r of electronic carrier(s))							
related thereto, in computer	, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see								
Section 802 of the Administ	•	mental box Relating to Sequence Listing (see							
4. This report contains indications relati	ng to the following items:								
Box No. I Basis of the	report								
Box No. II Priority									
Box No. III Non-establi	shment of opinion with regard to novelty, invent	ive step and industrial applicability							
Box No. IV Lack of unit	ty of invention								
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
Box No. VI Certain doc	uments cited								
Box No. VII Certain defe	ts in the international application								
Box No. VIII Certain observations on the international application									
Date of submission of the demand	Date of completion of th	is report							
	Sale of completion of the	r							
Name and mailing address of the IPEA/JP	Authorized officer								
Facsimile No.	Telephone No.								

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/019295

Box	No. I	I Basis of the report				
1.		th regard to the language, this report is based on the international application in the language in which it was filed, unless other icated under this item.	wise			
		This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of: international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4) international preliminary examination (Rule 55.2 and/or 55.3)	,			
2.	rece	th regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the eiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to s report): the international application as originally filed/furnished the description:				
		pages 1-26 as originally filed/fur pages* received by this Authority on				
	\square	pages* received by this Authority on the claims:				
		nos. 2-5,7 as originally filed/fur	nished			
		nos.* as amended (together with any statement) under Art nos.* 1,6 received by this Authority on 04.11.2005	icle 19			
		nos.* received by this Authority on				
		the drawings: sheets fig. 1-8 as originally filed/fur sheets* received by this Authority on	nished			
		sheets* received by this Authority on				
3.		a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, nos.				
		the drawings, sheets/figs				
		the sequence listing (specify): any table(s) related to sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	le, since			
		the description, pages				
		the claims, nos.				
		the drawings, sheets/figs the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
*	If ite	tem 4 applies, some or all of those sheets may be marked "superseded."				

International application No.	
PCT/JP2004/019295	

Box			ticle 35(2) with regard to novelty, inventive step or industrial applicability;	
1.		<u>-</u>	F G	
	Novelty (N)	Claims	1-7	YES
	Inventive step (IS)	Claims	1-7	VES
	Industrial applicability	/(IA)	1-7	VEC
			1-7	
		•		_
2.	Citations and explanation	s (Rule 70.7)		
	Claims 1 to			
	Document 1:		2561 A (Sony Corp.), 20 August 1996,	
		paragrap	hs [0013] to [0019] and [0025], and	
		fig. 1 a	nd 2 & US 6424614 B1	
	Document 2:	JP 09-259	9438 A (Fujitsu Ten Ltd.), 03 October	
		1997, pa	ragraphs [0011] to [0020] and fig. 1	
		to 4 (Fa	mily: none)	
	Document 3:	JP 11-025	5608 A (Sanyo Electric Co.), 29	
		January	1999, paragraphs [0012] to [0015] and	
		fig. 1 a	nd 2 (Family: none)	
	Document 4:	JP 09-069	9264 A (Matsushita Electric Ind. Co.,	
		Ltd.), 1	1 March 1997, paragraphs [0056] to	
		[0097] a	nd fig. 4 to 8 & US 5729525 A	
	Document 5:	JP 2003-1	132630 A (Hitachi, Ltd.), 09 May 2003,	
		paragrap	hs [0005] to [0016] and [0040], and	
		fig. 3 &	US 2003/0081525 A1	
	Document 6:	JP 2001-1	148166 A (Pioneer Electronics Corp.),	
		29 May 2	001, paragraphs [0098] to [0107] and	
		fig. 8 t	o 9 & EP 1083748 A2	
	Document 7:	JP 62-066	6491 A (Toshiba Corp.), 25 March 1987,	
			upper right column, line 4 to lower	
			lumn, line 5 and fig. 2 (Family: none)	
		-	,	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/JP2004/019295

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The inventions set forth in claims 1 to 7 are not disclosed in any of documents 1 to 7; therefore, the inventions in question are novel and involve an inventive step. In particular, documents 1 to 7 do not disclose the feature wherein the first dummy data section of the recording information is written on the first recording layer starting from the loopback address as a portion of the first buffer area, and the second dummy data section of the aforementioned recording information is written on the second recording layer up to the corresponding address in the aforementioned second recording layer, which corresponds to the aforementioned loopback address, as a portion of the second buffer area. On the other hand, the inventions set forth in the present application exhibit an advantageous effect in that it is possible to achieve a reduction in the recording period while also ensuring the continuity of the recording information that is being recorded over a first recording layer and a second recording layer as a result of the feature in question.